

Baja Motorsports

HT65/MB165 Mini Bike

Read this manual carefully. It contains important safety information.
No one under the age of 16 should operate this Mini Bike.

OWNER'S MANUAL

Minimum Age Requirement: 16



Rev. B

Always wear a helmet; It could save your Life!

Do not remove this operator's manual from this vehicle.

Please obtain, review, and follow provincial / municipal government acts and regulations pertaining to owning and operating an off-road vehicle.



Congratulations on your purchase of the Baja Motorsports Mini Bike.

Your Mini bike is warranted to be free of manufacturing defects in the material of workmanship for a period of 90 days from the date of purchase. During the warranty period BAJA MOTORSPORTS, LLC will at its option, repair, provide replacement parts or replace your Baja Motorsports Mini Bike at no charge. This warranty does not cover normal wear items or damage caused by neglect or misuse of the product.

Engine Warranty – 90 days

Frame Warranty – 90 days

Warranty is void if:

Frame is bent or broken due to abuse

If wheels are bent or broken

Fender bent or broken due to abuse

Any sign of impact, accident, jumping, spin-outs or roll over.

Should you experience a problem or need to return your Baja Motorsports Mini Bike for repair, please call the BAJA MOTORSPORTS customer service department TOLL FREE at 1-888-863-BAJA (2252) between the hours of 7am and 5pm Monday thru Friday PST and Saturday 8am to 4pm PST. During DST hours change to MT. You will be instructed how to proceed.

A COPY OF THE SALES RECEIPT IS REQUIRED.



WARNING

This manual should be considered as a permanent part of the vehicle and should remain with the vehicle when resold or otherwise transferred to a new user or operator. The manual contains important safety information and instructions which should be read carefully before operating the vehicle. All operators should obtain, review, and follow provincial and municipal government acts and regulations pertaining to owning and operating an off-road vehicle. Children under the age of 16 should never operate this vehicle.

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Please read this manual and follow all instructions carefully. To emphasize the special information, the symbol ▲ and the words WARNING or CAUTION have some special meanings. Pay great attention to the messages.

▲ WARNING

Indicates a potential hazard that could result in death or injury.

CAUTION

Indicates a potential hazard that could result in vehicle damage.

NOTE: Indicating special information which is to make maintenance easier or instructions clearer.

WARNING and CAUTION are arranged like this:

▲ WARNING-or-CAUTION

The first part will identify a POTENTIAL HAZARD.

The second part will describe WHAT COULD HAPPEN if you ignore the WARNING or CAUTION.

The third part will describe HOW TO AVOID THE HAZARD.

This user's manual contains important safety and maintenance information. Read it carefully before riding. Failing to follow the warnings contained in this manual could result in INJURY or DEATH.

It is important that this manual remain with the vehicle when you transfer it to another user or owner.

All information, illustrations, photographs and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes, there will be some discrepancies in this manual. We reserve the right to make product changes at any time, without notice and without incurring any obligation to make the same or similar changes to the vehicle previously built or sold.

SAFE OPERATION

Rules for Safe Operation

- A pre-operation check must be conducted, before starting the engine, insure safety, prevent mishaps, and damage to components.
- It is strongly suggested that all operators take a certified motorcycle rider's course prior to operating the vehicle.
- Full attention is required during driving; paying close attention to the following points to avoid any injury to you by other motorized vehicles:
- Do not drive too close to other vehicles.
- Never carry a passenger. This mini bike is for one operator only
- Never operate this mini bike at night. Night is defined as the period of time 30 minutes before sunset to 30 minutes after sunrise.
- Driving at high speeds is the cause of many accidents; do not drive at a speed that the actual situation does not permit.
- This user's manual contains important safety and maintenance information. Read it carefully before riding. Failing to follow the warnings contained in this manual could result in INJURY or DEATH.
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- All information, illustrations, photographs and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes, there will be some discrepancies in this manual. We reserve the right to make product changes at any time, without notice and without incurring any obligation to make the same or similar changes to the vehicle previously built or sold
- Always avoid operating this mini bike on paved surfaces, including; sidewalks, paths, parking lots, driveways, streets, roads, and highways. Never operated this or any Off-Road Vehicle on a public street, road or highway where motor vehicles are in operation.

SAFETY GEAR

1. Never operate this mini bike without wearing a DOT approved motorcycle helmet which fits properly. Operators should also wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket, and long pants.
2. Loose clothes are not suitable for motorcycle driving or riding as they may get caught on footrest or wheel, resulting in danger.

MODIFICATION OF THE VEHICLE

CAUTION
Never perform any unauthorized modifications to this vehicle. Only use original replacement part which can be obtained through Baja Motorsports 888-863-2252.

MAIN DATA

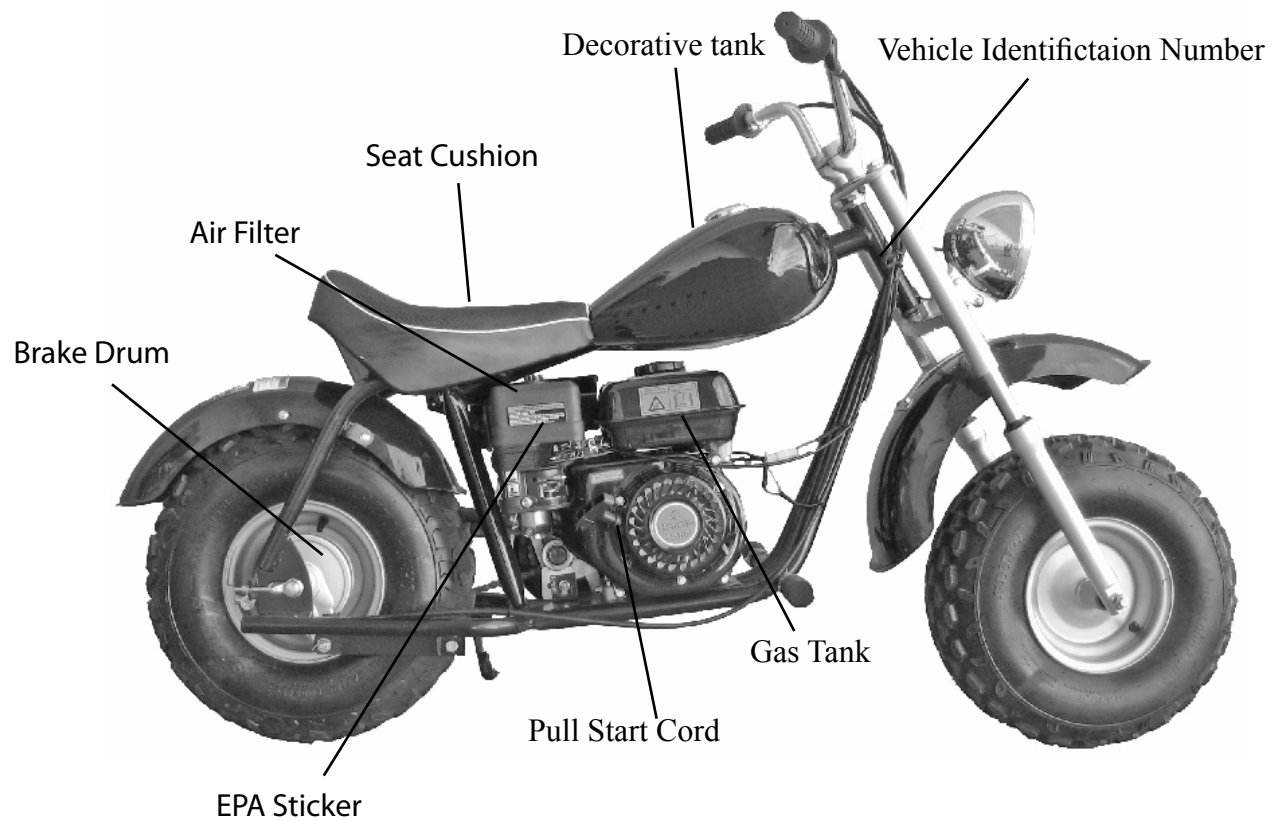
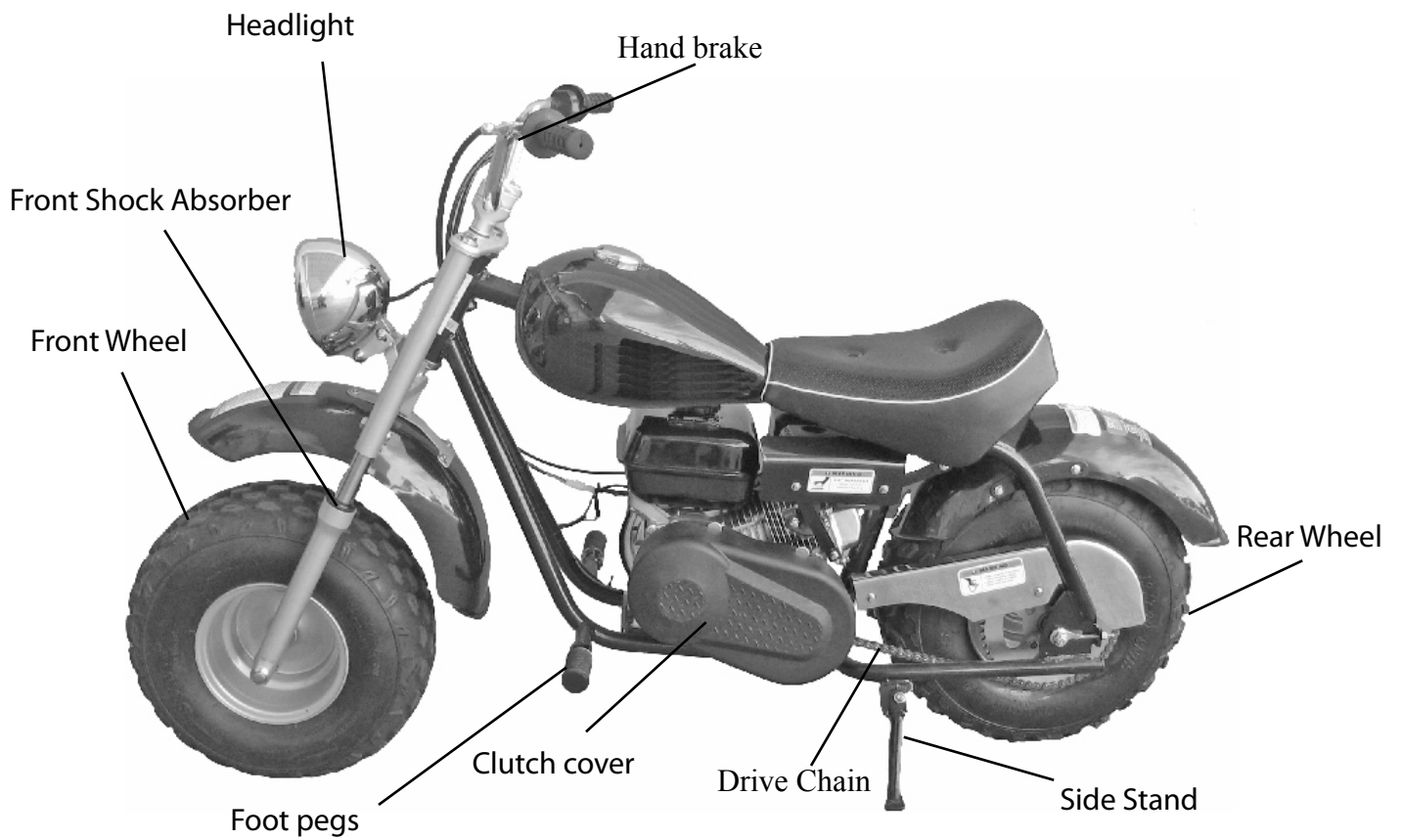
Description	Data	Description	Data
Overall length	1624mm (64")	Cylinder bore x stroke	6.8cm X 15.41cm (2.68" X 2.13")
Overall width	737mm (29")	PTO shaft rotation	Counter clockwise
Overall height	914mm (36")	Output, max	6.5hp at 3600 rpm
Wheelbase	1162mm (45.75")	Torque, max	9.76 ft-lbs. at 2500 rpm
Dead weight	75kg (165 lbs.)	Idling speed	1400 +200 -150
Payload	91kg (200 lbs)	Displacement of cylinder	197cc
Front wheel	19 X 7 - 8 10psi	Spark plug	MEIYA -F7RTC, NGK-BPR6ES, Champion - RN9YC
Rear wheel	19 X 7 - 8 10psi	Spark plug gap	0.7mm -0.79mm (.028"-0.031")
Brake Type	Drum	Gap of air valve IN	0.15 +- .02mm (cold)
Capacity of gasoline tank	4.2L (.95 gal.)	Gap of air valve EX	0.20+- .02mm (cold)
Capacity of oil tank	.5L (.53 qt.)	Ground clearance	139 mm (5.5")
Drive	Cinrifugal cutch	Ignition means	Magnito

PARTS & SUBASSEMBLIES

Rear brake lever



Throttle twist grip

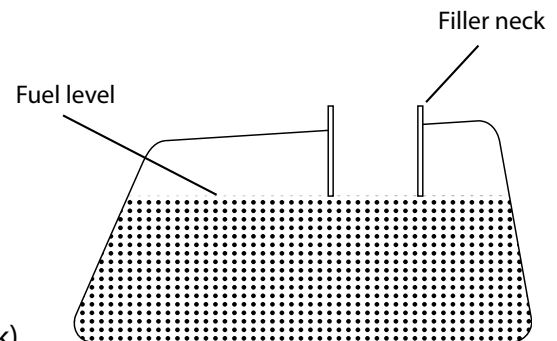


OPERATION

FUEL VALVE

Fuel filling

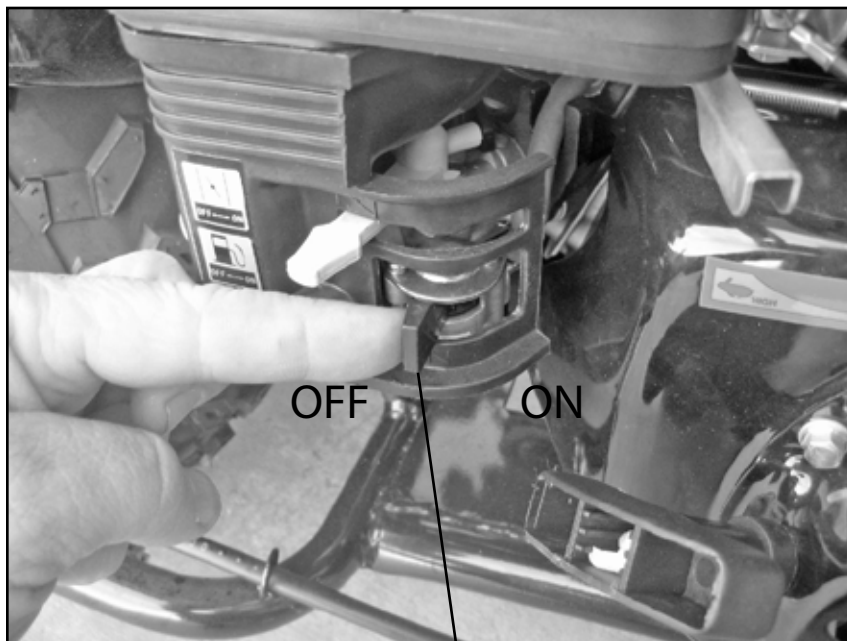
The capacity of the fuel tank is 4.2L (.95 gal) . Unscrew the gas cap by turning it counter clockwise and carefully fill the tank with unleaded gasoline through the opening. **DO NOT MIX GAS AND OIL TOGETHER, THIS IS A 4-STROKE ENGINE.** Replace the gas cap by carefully aligning the threads on the cap and the tank and turning the cap clock wise. Wipe any spilled fuel from the dirt bike using a cloth and dispose of the cloth properly. **DO NOT SMOKE OR REFUEL THE VEHICLE NEAR OPEN FLAMES OR NEAR HEATING UNITS. ONLY REFUEL THE VEHICLE IN OPEN AREAS TO REDUCE THE LIKELIHOOD OF THE BUILD UP OF GASOLINE FUMES.**



Operation of the fuel valve (the valve under the fuel tank)

ON: With the handle of the fuel valve to “ON” position, the fuel supply will flow to the carburetor.

OFF: With the handle of the fuel valve to “OFF” position, the fuel supply is cut off to the carburetor.



Fuel Valve Handle

ENGINE STARTING

CAUTION

Verify oil level prior to starting (see page 11)
Starting the engine with low or no oil will damage the engine.

▲ WARNING

Never start the engine in a closed place as the exhausted gas from the vehicle contains toxic carbon monoxide.

1. Set the ignition switch to "ⓐ" position.
2. Ensure that there is fuel in the tank.
3. Set the fuel valve lever to "ON" position.

Choke Lever
Closed ← → ON



OFF ← → ON
Fuel valve lever

To start a cold engine:

1. Place the choke lever in the closed position
2. Start the engine with the pull start cord.
3. Allow the engine to idle until the engine is warm
4. Turn the carburetor choke lever to the ON position when the engine has sufficiently warmed up.

CAUTION

Unnecessarily increasing RPM's to a high level while the Mini Bike is warming up is harmful to the engine.

Procedures for stopping the engine:

1. Release the throttle twist grip to slow down the engine.
2. Set the ignition switch to "ⓧ" position.
3. Set the fuel valve lever (the fuel tank valve) handle to "OFF" position.

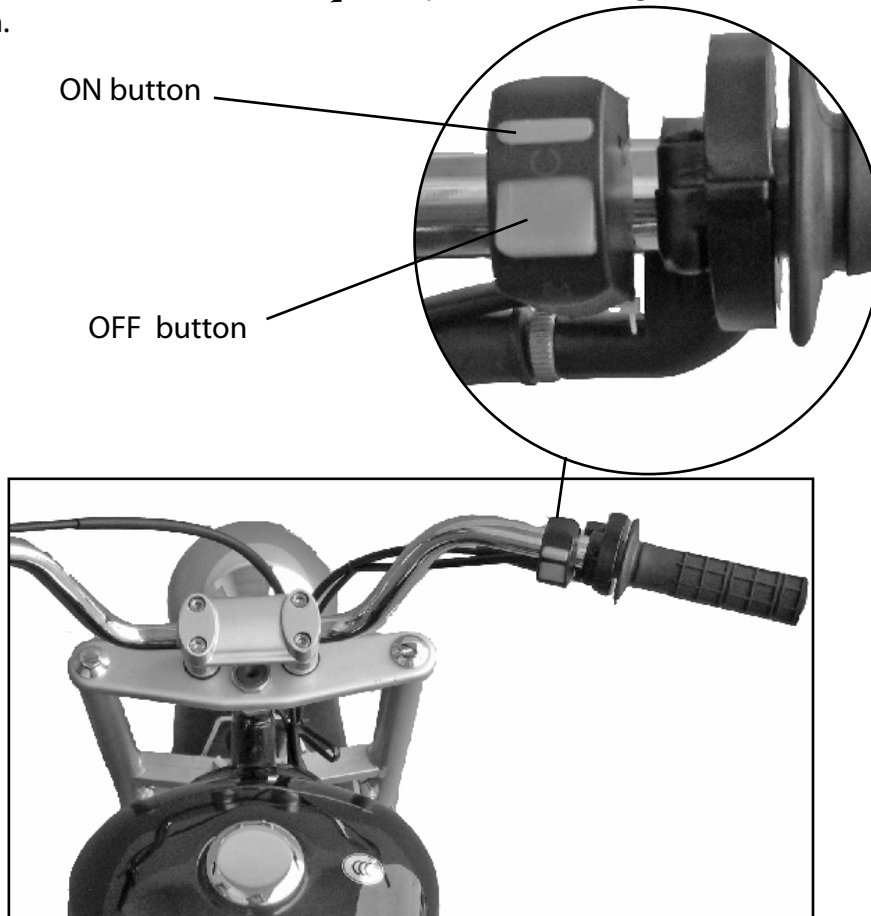
SWITCHES ON RIGHT HANDLEBAR

Ignition switch

The ignition switch is provided on the right handlebar.

When the switch is turned to "~~⊗~~" (off) position, the engine will not start or stops the engine.

When the switch is turned to "⊙" (on) position, the engine can start and the vehicle can be driven.



CHECK-UPS, ADJUSTMENT AND MAINTENANCE

Checking the Oil

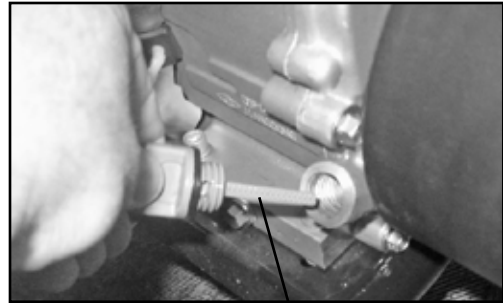
Check the engine oil each time prior to operating the mini bike.

The oil level should be between the upper and lower lines of the oil gauge.

1. Set the Mini Bike on level ground, screw off the oil gage plug, wipe the oil gage rod clean and then insert the gage plug into the crankcase again to check the oil level. There is no need to screw the oil gage plug into its hole in the crankcase.
2. Add lubricating oil up to the edge of the fuel plug.
3. Finally screw in the oil gage plug tightly.

CAUTION

Never start the engine when there is insufficient lubricating oil. Otherwise, it will cause harm to the engine.

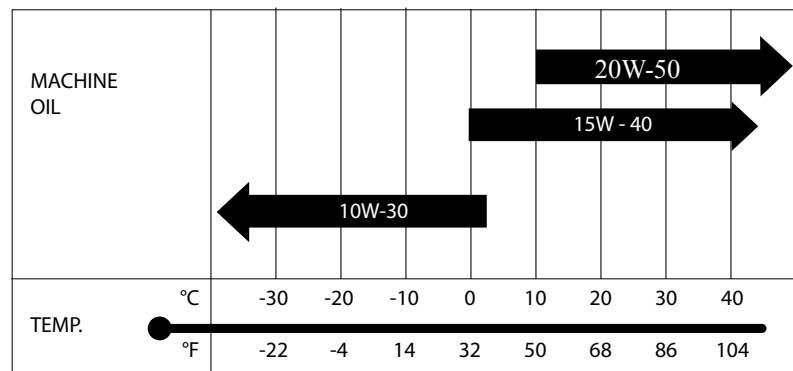


Oil dip stick

Lubricating Oil Recommended

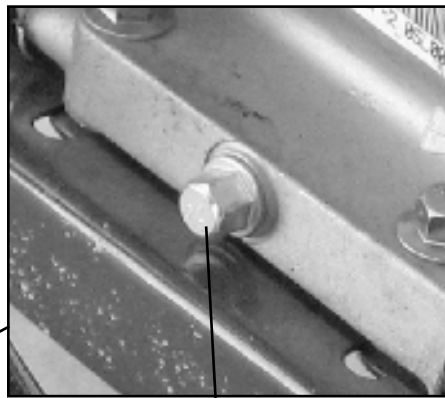
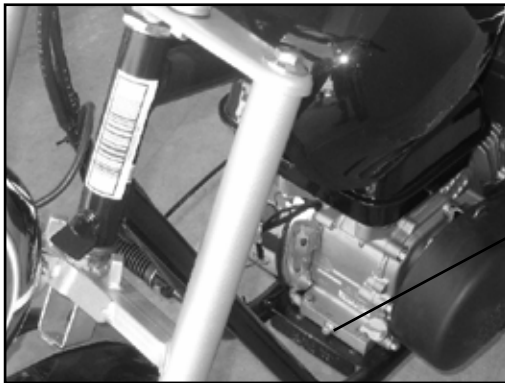
The lubricating oil is an important factor affecting the performance and service life of the engine. Please refer to the chart for the correct grade of engine oil based on the environmental conditions in your area. Do not use any other type of oil other than what is recommended in the chart. **DO NOT MIX OIL WITH THE GASOLINE.**

Lubricating oils of different viscosity shall be employed in different regions and at different temperatures.



CHANGING THE OIL *

1. Remove the "Screw Plug" located at the bottom of the engine and let the oil drain into an approved collection container. DO NOT PERFORM THIS PROCEDURE WHILE THE ENGINE IS HOT. SERIOUS BURNS COULD RESULT FROM CONTACT WITH HOT OIL.
2. Dispose of the used oil properly. For proper disposal procedures, contact your local oil recycling center.
3. Clean and replace the "Screw Plug" tightly.
4. Refill the engine with the proper amount of oil and recheck the amount of oil in the engine by using the oil gauge plug.



Screw plug for oil draining

CHECK-UP OF SPARK PLUG

1. Remove the cap of spark plug and screw off the spark plug using the plug wrench.
2. Clean the spark plug all around or replace it if it is corroded or there is too much deposit on it.
3. Regulate the gap of the spark plug to .7mm - .79mm (.028"-.031").
3. The spark plug of the designated type should be used.
The applicable type of spark plug: Meiya - F7RTC
Champion- RN9YC, NGK - BPR6ES



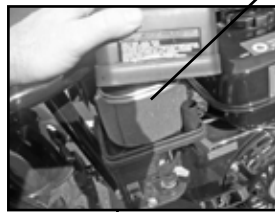
CHECKING & CLEANING THE AIR FILTER

1. Remove seat to access air filter. Seat is removed by removing nut located under seat (see photo).
2. Locate Air Filter Box under seat and remove cover.
3. Remove air filter.
4. Remove foam cover from Air filter element.
5. Tap the Air filter element gently to remove most of the dust and dirt. Blow out remaining dust with compressed air. If the element is damaged, replace it.
6. Wash the foam element cover per instructions below then allow to dry thoroughly.
7. Reinstall foam cover to the air filter element.
8. Reinstall air filter and close cover.

Seat nut

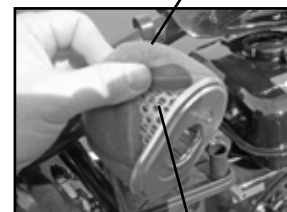


Air Filter box



Removal of cover

Air Filter



Foam cover

Removal of filter

Air filter element



Wash with mild soap and water



Rinse with fresh water then squeeze out excess.

CAUTION

The air filter element must be intact or the engine will suck in dust and dirt, resulting in a shorter service life of the engine.

Water should be prevented from entering into the filter when washing the vehicle.

The filter element shall be cleaned gently without twisting to prevent it from cracking. Never wash it with gasoline or any acid, alkaline or organic volatile oil to avoid its aging, which will result in reducing the effect of the air filter oil to catch particles before they enter the engine. Replace the filter element with a new one if it is broken or cracked.

ADJUSTING THE THROTTLE CABLE

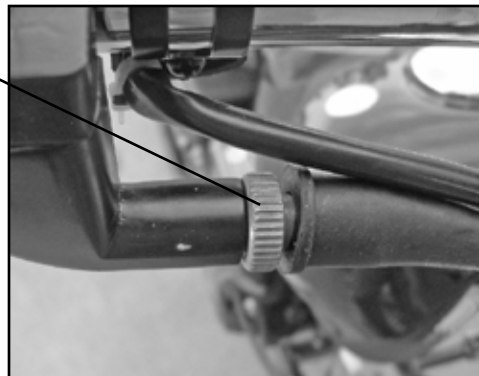
Make sure the throttle cable is adjusted properly. To adjust throttle cable, rotate adjustment nut located at the hand throttle.

Check if the throttle twist grip has the required free operating movement.

The required free operating movement: 2-6mm (.078 -.24in) . If the grip cannot be moved freely, turn the adjusting nut to ensure proper operating movement.

After adjustment, start the engine and check for the operating movement again. Repeat the adjustment if necessary until the desired operating movement is obtained.

Throttle cable adjust nut



ADJUSTING THE CARBURETOR

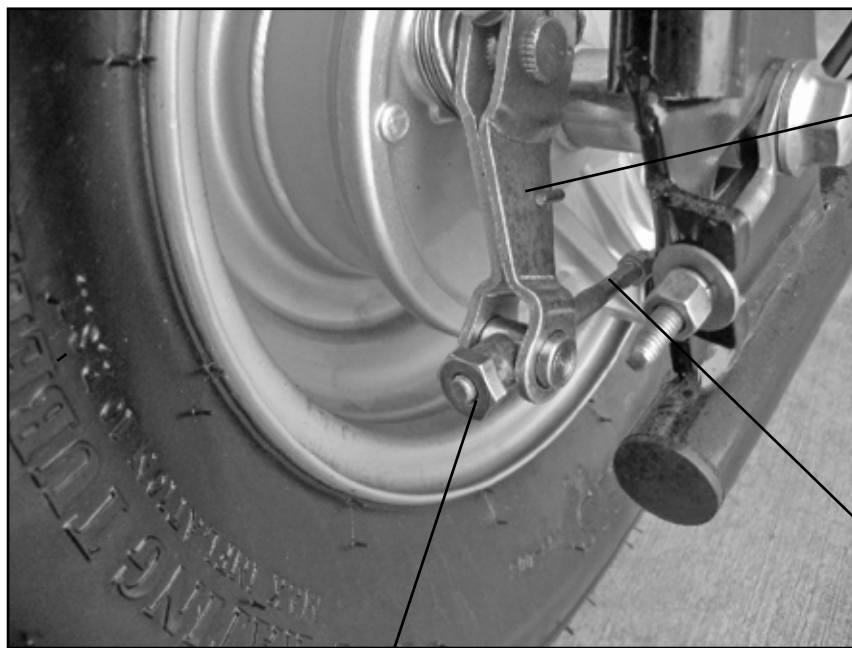
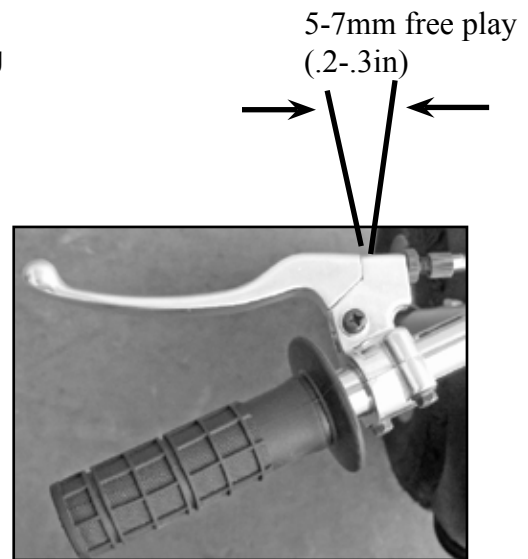
Adjusting procedures of idling speed:

1. Support the vehicle by a stand.
2. Adjust the idle speed by the throttle stop screw to 1400 +200 RPM
-150.

CAUTION
Do not try to correct a malfunctioning carburetor by adjusting the idling speed. If the carburetor is not functioning properly, it should be repaired by a service center.
Adjust idling speed only when the engine is warmed up or 10 minutes after operation.

ADJUSTMENT OF REAR BRAKE

1. The front brake hand grip should have free operating movement of 5-7mm (.2-.3in) .
2. To make adjustment, turn rear adjusting nut clockwise to reduce and counterclockwise to increase the free operating movement of the hand brake.
3. Brake shoes should be replaced by a qualified service technician once brake shoes are worn .



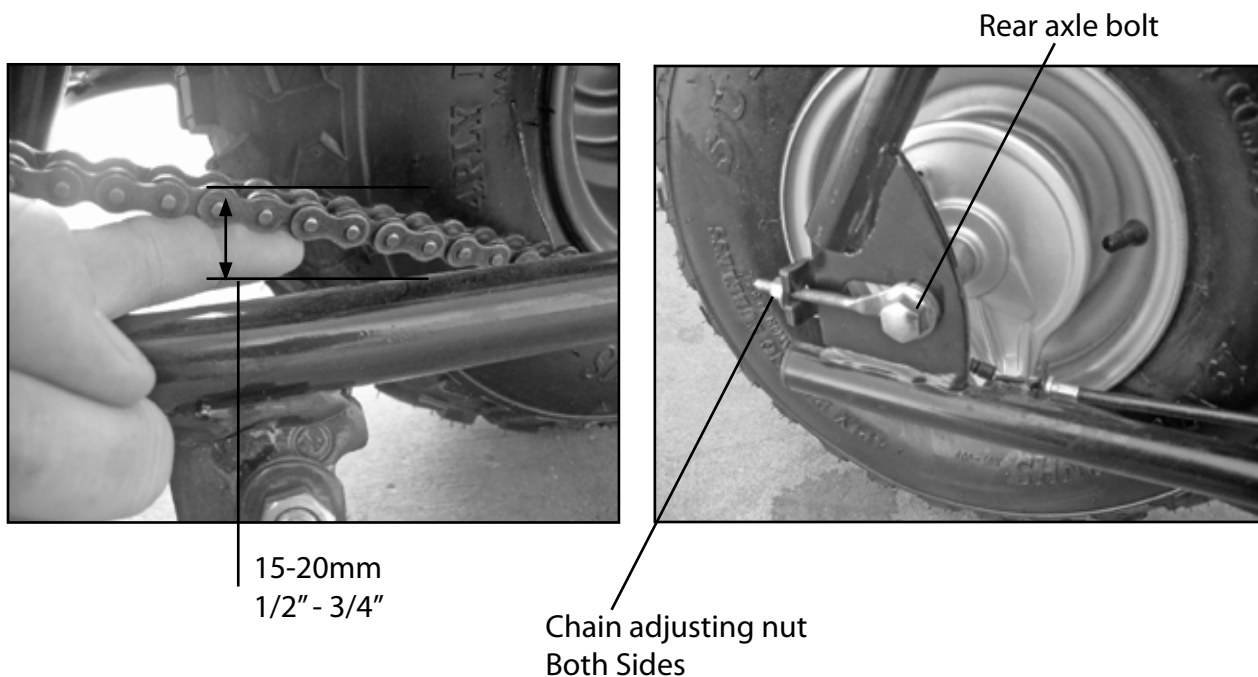
Rear brake adjusting nut

Rear brake arm

Brake cable

ADJUSTMENT OF CHAIN

1. When chain adjustment is needed, loosen rear axle bolt .
2. Turn the chain adjusting nuts on the left and right sides to adjust the tension of the chain and to align the marking of the chain adjuster with the engraved lines in the similar position on both sides.
3. Tighten rear axle bolt by a torque of 50-60Nm (37-44 ft.lb.).
4. Repetitively check the tension of the chain.



GREASING PROCEDURES TO THE DRIVING CHAIN

1. Shut off the engine
2. Add light amounts of machine oil or chain grease to the driving chain. (Too much machine oil or chain grease may cause splattering to occur.)

Attention:

The chain should be replaced when the adjusting limit has reached it's maximum.

VEHICLE WASHING

Cleaning the vehicle regularly can slow down the color fading of its body and make it easier to check if there is any damage and any oil leakage.

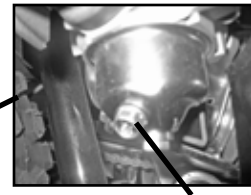
CAUTION
<p>Washing the Mini Bike with over-pressurized water may cause damage to some of its components. Therefore, do use a pressure washer to clean the vehicle. The following parts should be cleaned using low pressure water:</p> <ul style="list-style-type: none">— Wheel hub— Exhaust pipe— Fuel tank and lower portion of cushion— Carburetor— Head lock and ignition switch— Meters

1. After pre-wiping, the vehicle should be washed with clean water to remove dirty residues so as to prevent corrosion. Plastic subassemblies should be cleaned by wiping with a cloth or foam soaked in neutral detergent solution, followed by washing with clean water.
2. After the cleaned vehicle is air dried, grease the chain and run the engine at idling speed for a few minutes.
3. Prior to driving, carefully check the braking system repeatedly and repair or adjust it if necessary.

INSTRUCTIONS FOR STORAGE

If the vehicle is not going to be used for a long period of time, for example, in winter time, some steps should be taken to prevent malfunction of and damage to its components which might be caused by long storage. Before storing the vehicle for a long period, proper maintenance has to be carried in case maintenance is not completed when the vehicle is put back into use after storage.

1. Change engine oil.
2. Drain off fuel from the fuel tank and carburetor, spray atomized anti-rust oil onto the inside wall of the tank and then close the tank. Dispose of any drained fuel properly so as not to adversely affect the environment.



Carburetor Drain screw

Attention:

If the storage will last for more than one month, fuel in the carburetor must be fully drained. This will help ensure that the carburetor maintains its normal performance after the storage.

▲ WARNING

Gasoline is flammable and may cause fire and even an explosion under certain conditions. Therefore, do not smoke, make a fire or have any fire around while draining off fuel.

3. Take out the spark plug, pour about 15-20ml (.5 - .68 oz.) of clean engine oil into the cylinder, step down on the kick lever repetitively several times so as to have machine oil distributed all over the engine and finally fit the spark plug back on.
4. Wash the vehicle clean, wipe it dry and apply an even coat of wax to the painted surface and a coat of anti-rust oil on the chrome-plated surfaces.
5. Inflate the tires as required and put the vehicle up on wooden blocks with the two wheels clearing the ground.
6. Put the vehicle in a shady and cool place free from humidity and direct sunlight and cover it properly (not with plastic or other painted materials). If there is a garage, store it within.

RESUMPTION OF SERVICE AFTER STORAGE

1. Remove the covering and remove the wooden blocks used in storing the vehicle. Change the engine oil if the vehicle has been out of service for over 4 months.
2. Drain off the remaining atomized anti-rust oil from the fuel tank, followed by filling it with fresh gasoline therein.
3. Prior to driving, all the required check-ups must be made. It is better to drive it at a low speed in an open area to test its performance before normal operation.

TABLE AND TORQUE OF FASTENERS

Ser. No.	Fastener	Torque (Newton/m) (Foot/lb)
1	Front wheel axle nut	35-45Nm (26-33 ft.lb.)
2	Rear wheel axle nut	50-60Nm (37-44 ft.lb.)
3	Front Fork Bolts	45-47.5Nm (33-35 ft.lb)

Items of Maintenance	MAINTENANCE SCHEDULE				
	Each Use	1st Month or 20 hours	Every 3 Months or 50 hours	Every 6 Months or 100 hours	Every Year or 300 hours
Engine Oil- Check	X				
* Engine Oil - Change		X		X	
Air Filter-Check	X				
* Air Filter-Clean			X	X	
* Air Filter- Change					X
* Carburetor Sediment cup - Clean				X	
Spark Plug- Check - Adjust				X	
Spark plug - Replace					X
Idle Speed - Check, Adjust					X
** Valve Clearance - Check, Adjust					X
Fuel Tank and Filter- Clean				X	
Fuel Tube - Chcek					X
Front Shock bolts - Tighten to spec	X				
All nuts and bolts - Check for tightness	X				
Chain tension - Check	X				
* Brakes - Check	X				
* Throttle - check	X				
* Throttle cable - Check	X				

“*” means: This item of maintenance should be carried out at a service center. It may be also done by the user with reference to this manual provided special tools and authorized spare parts are used. The user must also be capable of completing the procedure.

“***” means: This item can only be carried out by an authorized service center in order to ensure safety.

Notes:

1. Maintenance should be conducted more frequently when Mini Bike is driven in dusty areas.
2. When Mini bike has exceeded the maximum figures specified in the table, maintenance should be still cycled according to the intervals of time or hours stated herein.

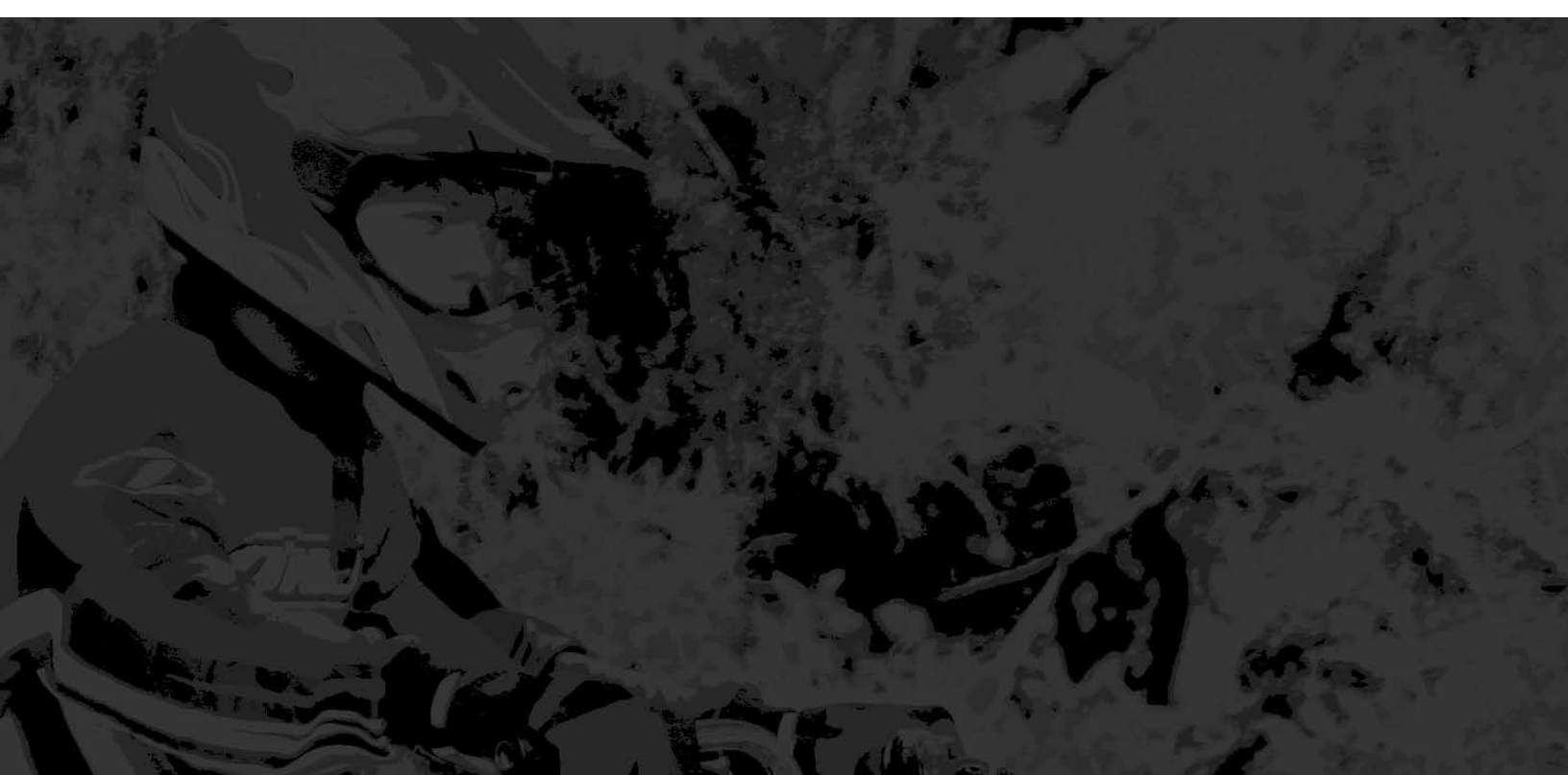
TROUBLESHOOTING

Engine will not Start

1. Fuel Valve OFF	Move Fuel valve lever to ON.
2. Choke OPEN	Move Chock Lever to CLOSED
3. Out of fuel	Refuel
4. Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline	Drain fuel and carburetor. Refuel with fresh gasoline
5. Spark plug faulty, fouled, or improperly gapped	Remove and inspect spark plug. Clean, gap, or replace
6. Spark plug wet with fuel (flooded engine)	Remove and inspect spark plug. Dry and reinstall spark plug.
7. Fuel filter clogged, carburetor malfunction, ignition malfunction, valves stuck, etc.	Take the engine to a qualified mechanic. Replace or repair faulty components as necessary

Engine Lacks Power

1. Filter element(s) clogged	Check air filter Clean or replace.
2. Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline.	Drain fuel tank and carburetor. Refuel with fresh gasoline.
3. Fuel filter clogged, carburetor malfunction, ignition malfunction, valves stuck, etc.	Take engine to a qualified mechanic. Replace or repair faulty components as necessary.



Baja Motorsports

Baja Motorsports, LLC

2910 South Hardy Drive, Suite 103

Tempe, AZ 85282

Tel: 480-222-8280

Toll Free: 888-863-2252
